Collocation Workshop

Wireless Collocation on Utility Infrastructure

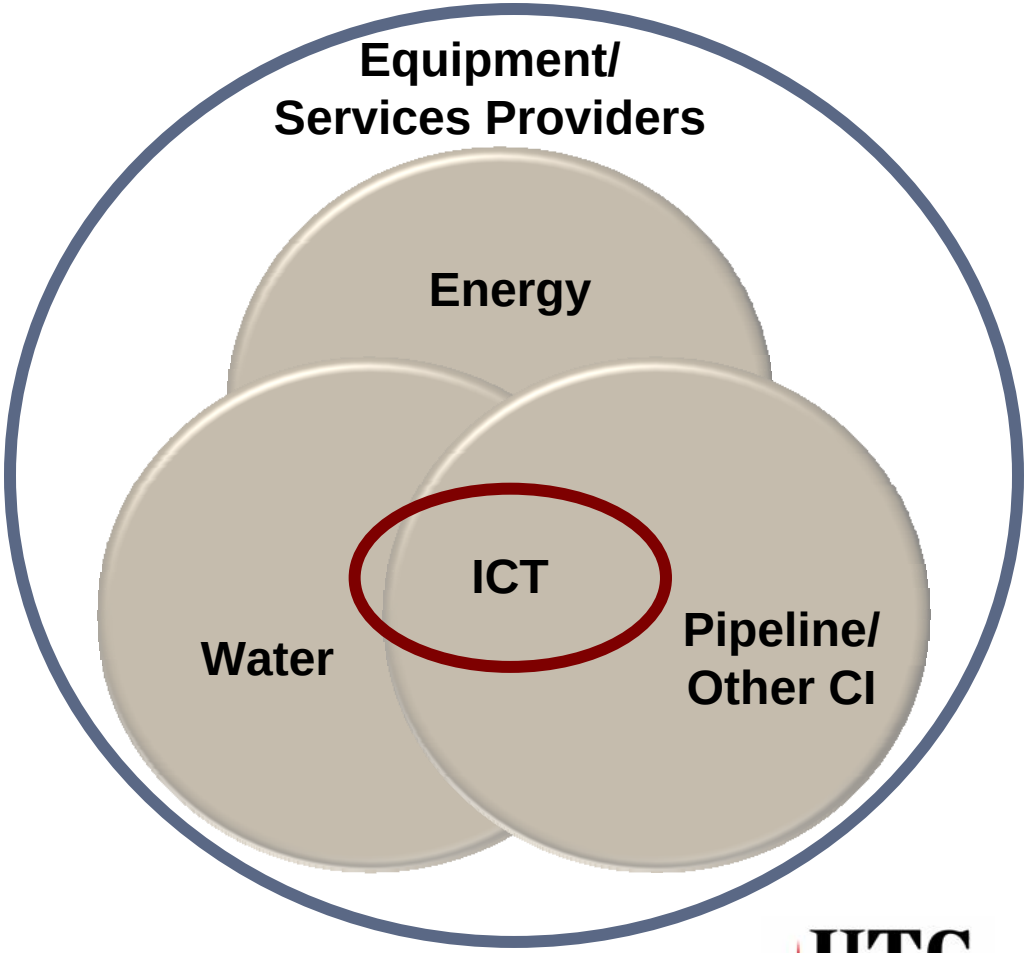
Federal Communications Commission
Washington, DC

May 1, 2012

Utilities Telecom Council

The Voice of Critical Infrastructure ICT

- Constituent Focus: converged ICT team
- Sector Focus: energy, water, gas/pipeline, and other critical infrastructure providers



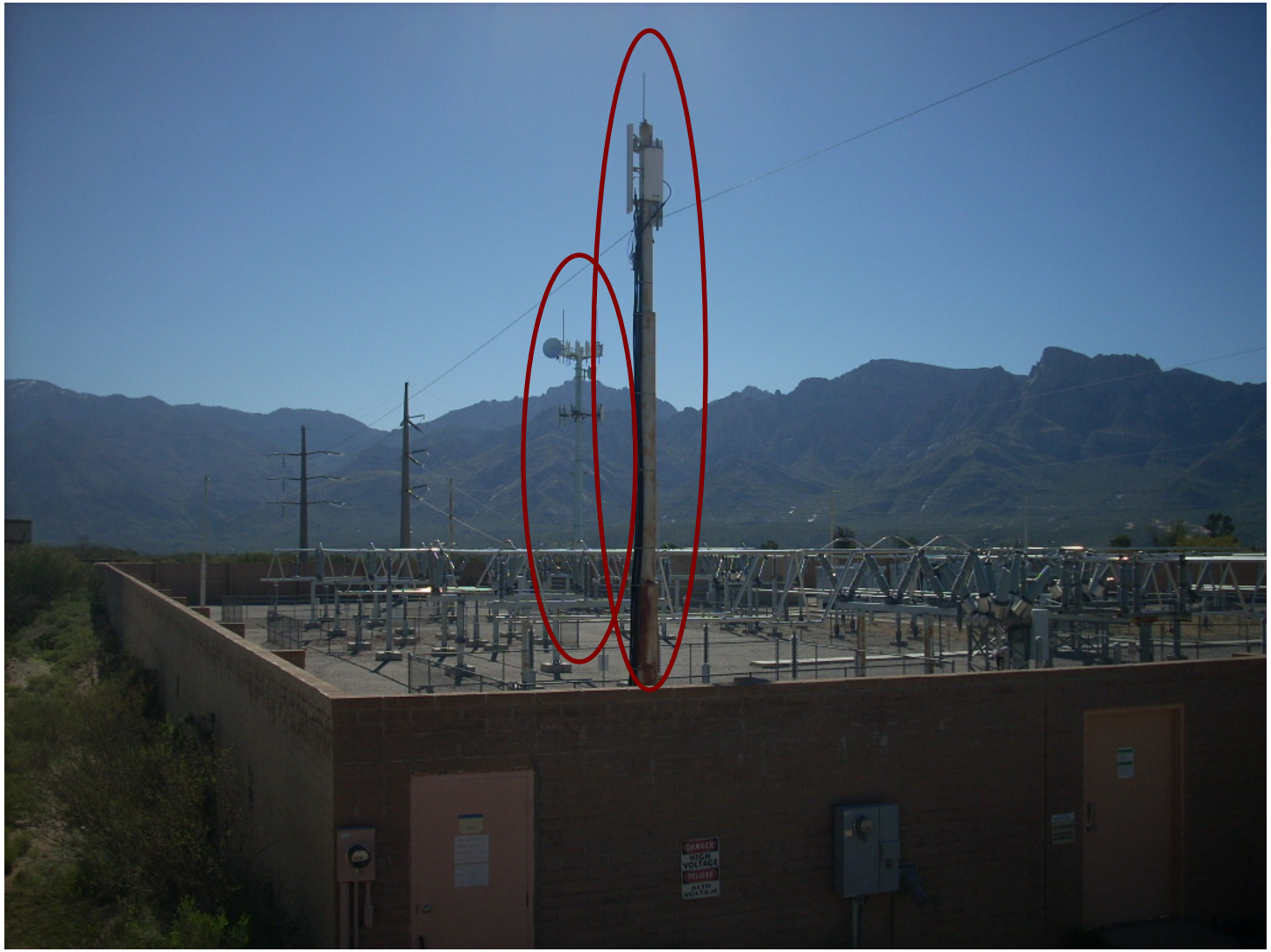
The Utilisite Council

- Formed in 2007
- Membership includes utilities and vendors
- Members provide support services to commercial wireless carriers and DAS providers
  - Antenna Collocation
  - Backhaul
  - Construction

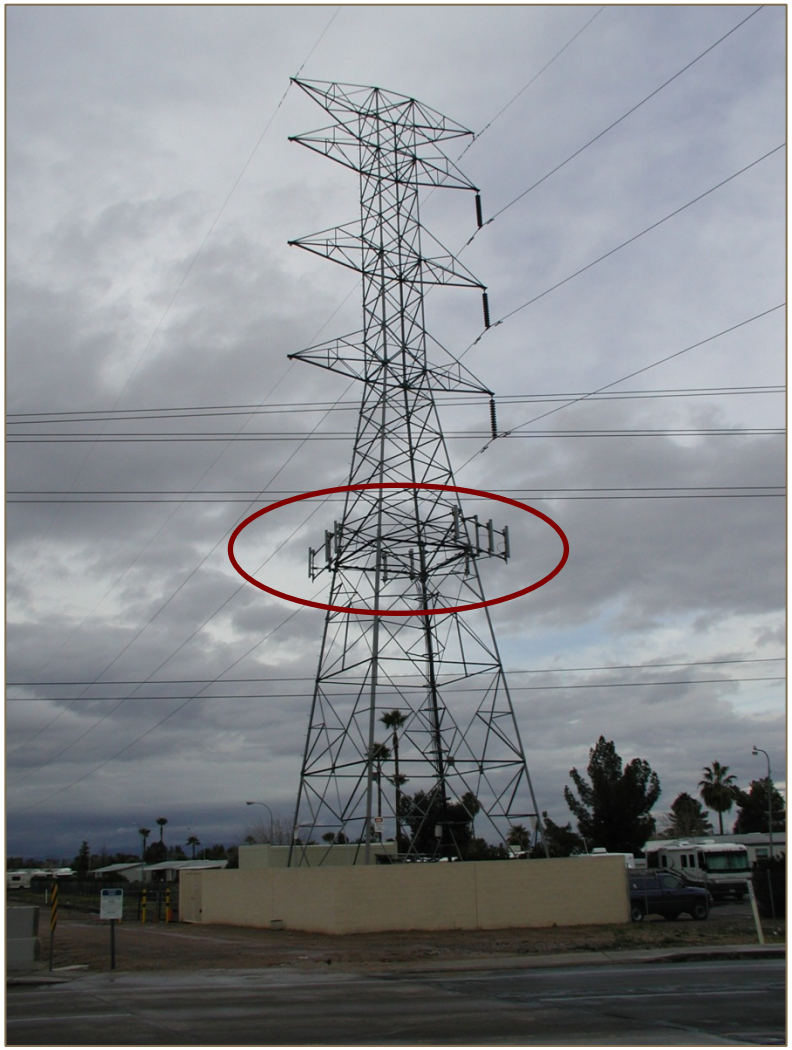
Portrait of the U.S. Electric Grid

- 170,000 miles of high-voltage (above 200 kV) electric transmission lines and associated equipment
- 6 million miles of lower-voltage distribution lines
- 3,200 organizations provide electricity to retail customers:
  - 125 million residential customers (37%)
  - 176 million commercial customers (36%)
  - 775,000 industrial customers (27%)

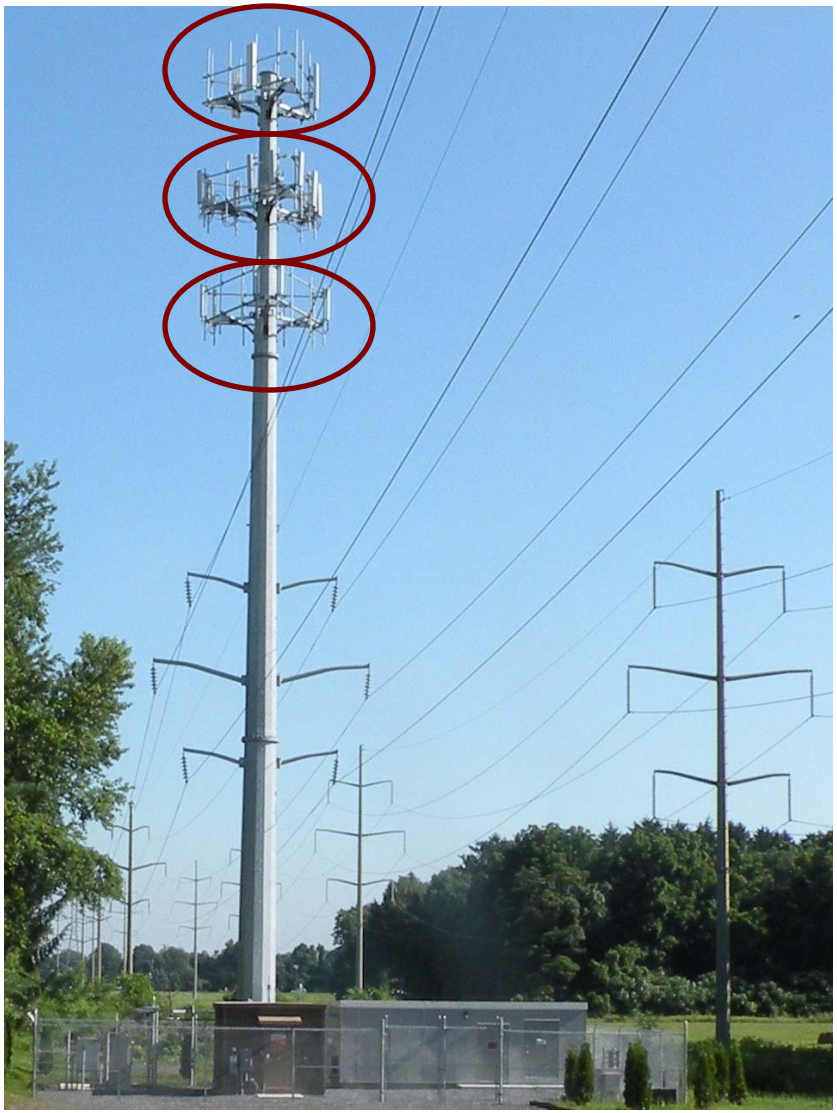
Substation Collocation



Transmission Infrastructure



Transmission and Distribution Infrastructure



Distribution Infrastructure

Water Infrastructure

Ask UTC

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